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*Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: December 23, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	December 23, 2003
				First Named Inventor	Hirofumi KATOH
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	023484-0154
Sheet	1	of	1		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
J	A1	5,044,477		BOJAS et al	09/03/91	
	A2	2,337,976		DAVIS	12-28-1943	
	A3	4,633,994		LIGHT	01-06-1987	
	A4	4,790,792		BOPP	12-13-1988	
	A5	4,913,273		MADER	04-03-1990	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
J ↑	A10	JP	57-204491			12/82		
	A11	JP	59-128933			08/84		
	A12	JP	03-077825			08/91		
	A13	JP	01-083925			06/89		
	A14	DE	4223678			01/21/93		
	A15	DE	3307566			09/29/83		
	A16	EP	0106581			04/25/84		
	A17	DE	4205225			09/03/92		
	A18	EP	0870943			10/14/98		
	A19	DE	2718723			11/17/77		
J ↓	A20	EP	0070111			01/19/83		
	A21	DE	9317085			02/10/94		
	A22	DE	2814468			10/19/78		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	A23	Merriman-Webster's Collegiate Dictionary, 10 th ed., Merriman-Webster, Inc., Springfield MA 1997, p. 538		

Examiner Signature	<i>Basil Rodriguez</i>	Date Considered	2/5/05
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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